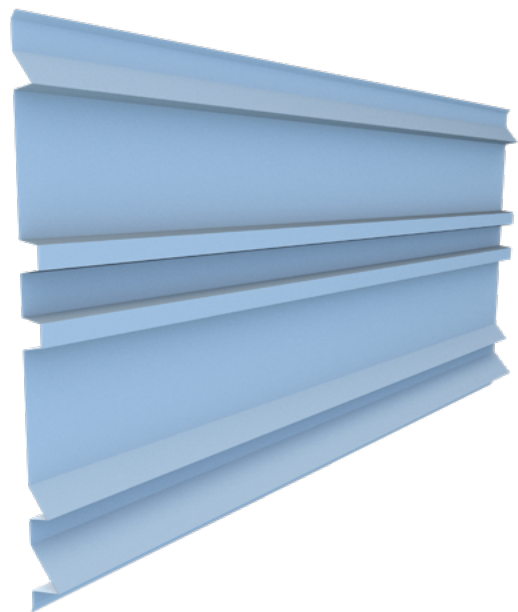


Asteroid / MX898-5

MyWall Collection / Architectural metal envelopes for facades

- Hot-dip galvanised structural steel sheet corrugated profile with high structural efficiency.
- Metal cladding for façades in industrial, residential and commercial buildings.
- Product CE marked according to EN 14782 and EN 1090-1.
- Usable width of 898 mm and production lengths up to 8,000 mm.
- Available in A/B variants to allow for alternation and provide complete freedom in façade design.
- Extensive colour palette and wide range of highly durable coatings.



CE


Kingspan

TECZONE

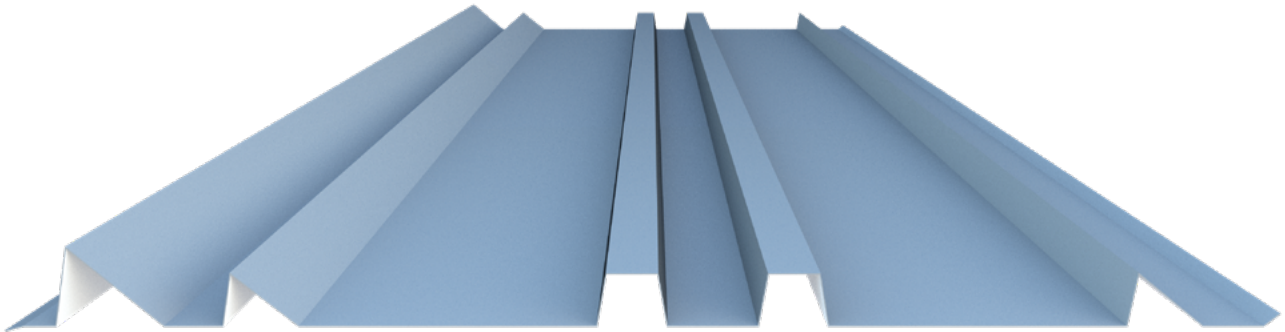
Asteroid / MX898-5

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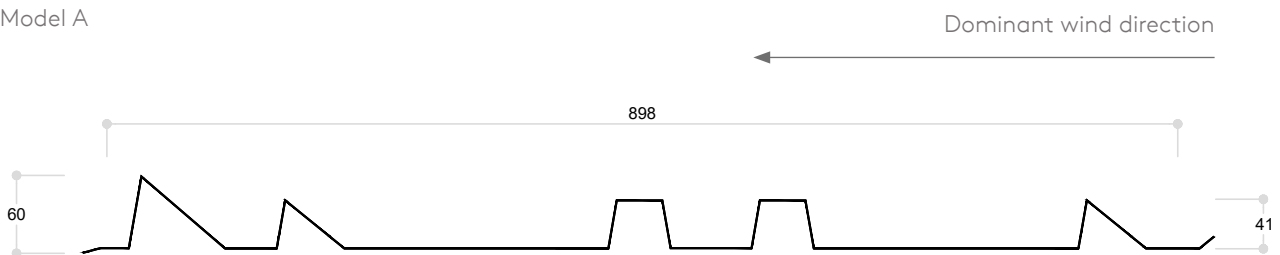
MODEL A / B

The Asteroid profile has been designed based on a reversible geometry concept, offering complete architectural freedom through its two joint variants: Model A and Model B:

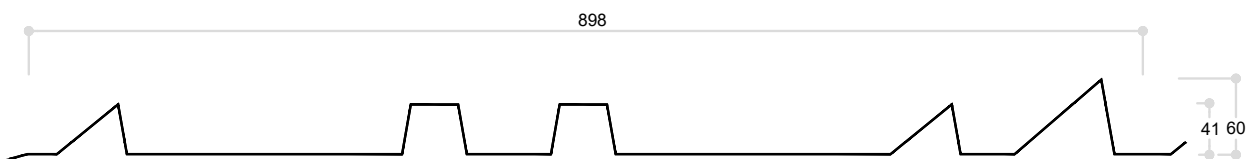
- **Same Geometry, Dual Orientation:** Both models share a clear width of 898 mm and a profile height of 60 mm. The difference lies solely in the configuration of their overlaps.
- **Installation Versatility:** This technical innovation allows the same profile to be used in two orientations, facilitating installation and adapting to the required design direction.
- **Creative Potential:** This duality multiplies the possibilities for façades, allowing for the creation of plays of light and shadow, visual rhythms and varied volumetric effects.



Model A



Model B



Asteroid / MX898-5

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MANUFACTURING CHARACTERISTICS

Useful width		898 mm
Maximum manufacturing length		8.000 mm
Thickness	Steel	0.6 / 0.7 mm
	Aluminium	0.8 / 0.9 / 1.0 mm
Steel coatings	Standard	Galvanised Z275 Galvanised and coated with 25 µm silicone polyester
	Special	HD, HDS, HDX, PVDF
Aluminium coatings	Standard	Galvanised and coated with 25 µm silicone polyester
	Special	Special finishes available on request

(*) Other thicknesses available on request.

Steel sheet certifications

Steel used in accordance with standard EN 10346 (galvanised) and standard EN 10169 (organic coatings).

Aqua profile certification / MX898-5

CE marked according to EN 14782:2006 and EN 1090-1:2009+A1:2011.



TECHNICAL DATA OF THE PROFILE

MATERIAL	THICKNESS (mm)	PROFILE WEIGHT (kg/m ²)
Steel	0.6	6.56
	0.7	7.65
Aluminium	0.8	3.01
	0.9	3.38
	1.0	3.46

REACTION TO FIRE







The MX898-5 profile has the reaction to fire classification A1 according to EN 13501-1:2018 (Euroclasses).

Asteroid / MX898-5

MyWall Collection







STEEL

MAXIMUM PRESSURE LOADS ON STEEL (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1,000	1,250	1,500	1,750	2,000	2,250	2,500
0,6		459	295	189	131	96	74	58	47
		371	237	166	123	92	71	56	46
		445	286	201	150	115	89	70	57
0,7		736	494	316	220	161	124	88	65
		602	387	272	202	155	119	95	77
		722	467	329	245	190	149	118	96

1 daN/m² ≈ 1 kp/m²

MAXIMUM ALLOWABLE SUCTION LOADS FOR STEEL (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1,000	1,250	1,500	1,750	2,000	2,250	2,500
0,6		-500	-284	-183	-128	-95	-73	-58	-47
		-466	-263	-171	-121	-96	-74	-58	-47
		-582	-329	-214	-151	-120	-92	-73	-59
0,7		-839	-477	-308	-215	-153	-106	-76	-57
		-876	-493	-316	-219	-161	-123	-98	-79
		-1095	-617	-395	-274	-202	-154	-122	-99

1 daN/m² ≈ 1 kp/m²

NOTES:









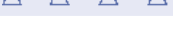
- The values given in the table are permissible loads without majoring, to be compared with the sum of characteristic loads (without majoring) for each project.
- Tables calculated according to Eurocode 3, part 1.3. Maximum permissible deflection criterion: L/200, where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width, the permissible load values can be significantly reduced.
- For other configurations or load cases please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.
- The load tables are calculated using S220GD grade for a thickness of 0.6 mm and S320GD grade for a thickness of 0.7 mm.

Asteroid / MX898-5

MyWall Collection

ALUMINIUM

MAXIMUM PRESSURE LOADS ON ALUMINIUM (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1,000	1,250	1,500	1,750	2,000	2,250	2500
0,8		390	242	154	106	74	50	35	26
		374	232	157	113	85	66	53	43
		450	283	193	139	105	82	66	48
0,9		485	275	175	121	84	56	40	29
		436	268	180	129	97	75	60	49
		526	327	221	159	120	93	74	54
1,0		557	310	197	136	93	62	44	32
		497	304	203	145	109	84	67	54
		602	371	250	179	135	105	82	60

1 daN/m² ≈ 1 kp/m²

Asteroid / MX898-5

MyWall Collection

ALUMINIUM

MAXIMUM ALLOWABLE SUCTION LOADS FOR ALUMINIUM (daN/m²)

SPAN BETWEEN SUPPORTS (mm)

e (mm)	SUPPORTS	750	1,000	1,250	1,500	1,750	2,000	2,250	2500
0,8		-472	-268	-172	-103	-67	-45	-32	-24
		-456	-251	-158	-109	-79	-60	-48	-38
		-570	-314	-198	-136	-100	-75	-59	-44
0,9		-534	-303	-194	-116	-75	-51	-36	-27
		-520	-286	-180	-124	-90	-69	-54	-44
		-650	-358	-226	-155	-113	-86	-67	-49
1,0		-595	-338	-215	-129	-92	-57	-40	-30
		-586	-322	-203	-139	-102	-77	-61	-49
		-732	-403	-254	-174	-127	-97	-74	-55

1 daN/m² ≈ 1 kp/m²

NOTES:

- The values given in the table are permissible loads without majoring, to be compared with the sum of characteristic loads (without majoring) for each project.
- Tables calculated according to Eurocode 9, part 1.4. Maximum permissible deflection criterion: L/200, where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width, the permissible load values can be significantly reduced.
- For other configurations or load cases please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.



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